

LS ANSWER 444 OF 575 CA COPYRIGHT 2004 ACS on STN

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TI Composition based on fly ash used for
repairing holes in roads

IN Baryla, Jean Michel

PA Colas S. A., Fr.

SO Fr. Demande, 10 pp.

CODEN: FRXXBL

DT Patent

LA French

IC C04B013-10; E02D017-12

CC 58-4 (Cement, Concrete, and Related Building Materials)

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2512440	A1	19830311	FR 1981-16942	19810907
	FR 2512440	B1	19841221		

PRAI FR 1981-16942 19810907

AB A compn. for filling holes in roads comprises dry aluminosilicate fly ash 85-94, cement, preferably class 45 or 55, 6-12, an activator, e.g., Na aluminate, CaSO₄, phosphogypsum, gypsum, or red mud 0.5-3%, and water 30-60 wt.% of the mixt. Thus, 4 .times. 4 .times. 16 cm sections of fly ash, cement type 45, CaSO₄, and water had flexural strength (2-7) .times. 105 Pa after 7 days in air or 2 days in air and 5 days in water, and 10 cm diam., 20 cm long cylindrical samples had compressive strengths >9 .times. 105, >11 .times. 105, >10 .times. 105, and >13 .times. 105Pa after 28 days in water and air and 90 days in water and air, resp. and were resistant to rutting, denting, and cracking.

ST pavement repairing compn fly ash

IT Cement

(in fly ash compn., for pavement repair)

IT Pavements and Roads